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1	BRS	L3	9	summariz\$6 same (video or image\$1 or data) same (similarit\$3 near3 matrix)	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2007/08/18 11:39	
2	BRS	L4	146	(similarit\$3 near3 matrix) same factor\$6	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2007/08/18 11:43	
3	BRS	L5	98	4 same (sequence\$1 or ordered or ordering)	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2007/08/18 11:40	

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4	BRS	L6	43	5 same (segment\$6 or decompos\$4 or partition\$4 or divid\$3 or pars\$3)	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2007/08/18 11:41	
5	BRS	L7	2	6 same (summar\$7 or organiz\$3)	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2007/08/18 11:41	
6	BRS	L8	2	6 and (summarizng or summarization)	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2007/08/18 11:41	

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7	BRS	L9	7	(similarit\$3 near3 matrix) same (video or multimedia) same summar\$7	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2007/08/18 11:45	
8	BRS	L10	7	(similarit\$3 near3 (matrice\$1 or matrix\$2)) same vector\$1 same (skim\$5 or summary or summariz\$6)	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2007/08/18 11:46	
9	BRS	L11	1190	(similarit\$3 near3 (matrice\$1 or matrix\$2)) same (video or ordered or ordering or sequence\$1)	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2007/08/18 11:47	

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10	BRS	L12	27	l1 and ((creat\$4 or generat\$4 or construct\$3 or build\$3) near5 (summary or summariz\$6))	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2007/08/18 11:52	
11	BRS	L13	39	(video near5 (summary or summariz\$6)) same matrix	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2007/08/18 11:52	
12	BRS	L14	6	l3 same (match\$4 or similarit\$3)	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2007/08/18 12:24	
13	IS&R	L15	3797	(382/173,209,224,305).CCLS.	US- PGPUB; USPAT	2007/08/18 12:26	

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14	BRS	L17	6	((text\$1 or news or article\$1 or video or music or audio or metadata or multi-media or multimedia) near5 summar\$6) same ((match\$4 or similarit\$3) near5 (matrice\$1 or matrix))	US- PGPUB; USPAT	2007/08/18 12:35	
15	BRS	L18	0	6 and 15	US- PGPUB; USPAT	2007/08/18 12:35	
16	BRS	L19	1083	video near2 summar\$7	US- PGPUB; USPAT	2007/08/18 12:35	
17	BRS	L20	1	19 same (similarit\$3 near5 matrix)	US- PGPUB; USPAT	2007/08/18 13:43	
18	BRS	L21	22	19 and (similarit\$3 near5 matrix)	US- PGPUB; USPAT	2007/08/18 12:37	
19	BRS	L23	1	21 and 22	US- PGPUB; USPAT	2007/08/18 12:38	
20	BRS	L22	27	similarit\$3 near5 matrix near10 factor\$6	US- PGPUB; USPAT	2007/08/18 12:42	
21	BRS	L24	2	similarit\$3 same (probabil\$5 near3 matrix near7 factor\$6)	US- PGPUB; USPAT	2007/08/18 12:45	

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22	BRS	L25	23	factor\$7 near10 (similarity near3 matrix)	US- PGPUB; USPAT	2007/08/18 12:49	
23	BRS	L26	20	21 and parameter\$6	US- PGPUB; USPAT	2007/08/18 12:50	
24	BRS	L28	11	27 and (histogram\$4 or ortho-normal or orthonormal or sentence\$1 or paragaph\$1 or meta-data or metadata or (term near1 frequency))	US- PGPUB; USPAT	2007/08/18 12:55	
25	BRS	L27	12	26 and ((stft near1 fourier) or (mel-frequency near1 cepstral) or spectrogram\$3 or (fast near1 fourier) or (wavelet near3 decompos\$6))	US- PGPUB; USPAT	2007/08/18 12:55	
26	BRS	L29	1	"20060280365".pn.	US- PGPUB; USPAT	2007/08/18 13:43	
27	BRS	L30	0	29 and factor\$6	US- PGPUB; USPAT	2007/08/18 13:44	
28	BRS	L31	13	non-negative near2 matrix near2 factor\$6	US- PGPUB; USPAT	2007/08/18 13:46	
29	BRS	L32	0	probability same factoriz\$6 same (similarit\$3 near3 matrix)	US- PGPUB; USPAT	2007/08/18 13:47	

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30	BRS	L33	1	probabili\$6 same factoriz\$6 same (similarit\$3 near3 matrix)	US- PGPUB; USPAT	2007/08/18 14:05	
31	BRS	L34	1	"20040073554".pn.	US- PGPUB; USPAT	2007/08/18 14:05	
32	BRS	L35	1	34 and non-negative	US- PGPUB; USPAT	2007/08/18 14:23	
33	BRS	L36	1	"6907427".pn.	US- PGPUB; USPAT	2007/08/18 15:13	
34	BRS	L37	145	(similarit\$3 near3 matrix) same factor\$6	US- PGPUB; USPAT	2007/08/18 15:14	
35	BRS	L38	4	37 same (likelihood or probab\$6)	US- PGPUB; USPAT	2007/08/18 15:14	
36	BRS	L39	7	37 and ((text\$1 or video or audio) near3 (summar\$6 or classif\$6 or segment\$6))	US- PGPUB; USPAT	2007/08/18 15:17	
37	BRS	L40	364	matrix near1 factoriz\$6	US- PGPUB; USPAT	2007/08/18 15:17	
38	BRS	L41	9	40 same similarit\$3	US- PGPUB; USPAT	2007/08/18 15:17	



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Based on the group **similarity matrix** SMij and the updated centroid of the ... Hierarchical **video summarization** and content description joint ... Figure 9. Hierarchical video content summarization.

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for text, audio, and **video**. Most **summarization** or excerpting tech- ..... 4.2 Music

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**summarization** system based on removal of. **similar** frames and the ... at eliminating **similar** frames by a process of .... The whole **video** is represented. by a set of vectors, i.e. a **matrix** of  $n \times 1125$  ...

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for **video summarization** which can efficiently generate a set of representative ... requiring insertions and deletions of the cluster dissimilarity **matrix**, ... is **similar** to  $s_j$ .  $N(i)$  may be  $\{s \dots$

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Some view the **summarization** process as one where the objective is to. remove redundant scenes or shots from the original document. In [71], a self. **similarity matrix** of **video** features is employed ...

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1.1: Summarizing **Video** using Non-Negative **Similarity Matrix**. - Cooper, Foote

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The method of claim 1, wherein said **similarity** is calculated using a refined feature space representation of said ... D. DeMenthon, et al., "Video summarization by curve simplification," Tech Rep. ...

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based on their visual **similarity**. An important missing .... **matrix** whose columns are called left singular vectors .... the basis of our **video summarization** system (See the ...

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We provide the number of classes and the **similarity matrix** to the algorithm. .... Z.

Cernekova, I. Pitas and C. Nikou, "Information theory-based shot cut/fade detection and **video summarization**", ...

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This is in contrast to **video** abstraction [5] and **video summarization** [6], which provides a linear ..... The **similarity matrix** in Fig. 5(a) represents the MPEG-7 test **video** shown in Fig. 4(a). ...

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